

STAT

10 October 1963




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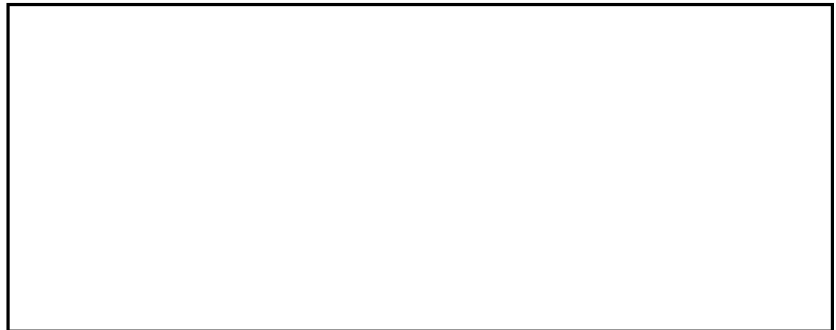
Gentlemen:

Enclosed is  Progress Report on

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 for the period of August 13, 1963 through
October 7th, 1963.

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ARB:dab

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Declass Review by NIMA / DoD

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STEREO CHIP COMPARATOR

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For the Period of
August 13, 1963 through October 7, 1963

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Work Performed by October 7, 1963

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The "X" and "Y" carriages have been released. Patterns are presently being made.

The film platens are being partially redesigned to accommodate recent changes in design concepts, and will be released this week for detailing and drawing changes.

The large comparator base casting has been designed and is presently in detailing.

All parts pertaining to the "X" and "Y" carriage guidance, such as the ways and "V" blocks, and drives, such as lead screws, lead nuts, gear drives, including the slewing and "L" drives have been designed, detailed, checked and have been released for purchasing and manufacture. In all, approximately 100 drawings have been thus far released. Many long lead items are out for quote, many others have been placed. Deliveries vary from 6 to 8 weeks.

Engineering Work to be Performed by October 31, 1963

Designs to be completed:

- Comparator Cover
- Comparator Base Support
- Microscope Support and Adjustment
- Electronic Units Console

All remaining engineering should terminate by the end of this month.

Manufacturing Schedule

According to schedule, Engineering will release all items by the end of October. However, due to delays in design, it is estimated that it would be quite difficult to terminate the project between the 15th or 30th of January 1964.

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STEREO CHIP COMPARATOR

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For the period of
June 3, 1963 through August 12, 1963

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All Schedules have been adhered to and the work is progressing satisfactorily.

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Work to be Performed by October 7, 1963
(Next Scheduled Progress Report)

Stereo Chip Comparator:

Most engineering and detailing is scheduled to be completed during this period, and manufacturing is scheduled to be 50% completed by this time. Assembly is scheduled to start at the end of this period.

Console:

All engineering and detailing should be in process by this time.

REPORT

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Work performed up to 12 August 1963. This report describes the progress accomplished on [] Project [] for the Stereo Chip Comparator and the supporting console. [] has been assigned as Project Manager.

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Project [] is progressing on schedule. Engineering design, preliminary and final is approximately 40% completed. This is comprised of the "X" and "Y" carriage design. The "Y" carriage is detailed and in checking. The "X" carriage is in the process of being detailed. The fixed platen accepting one of the stereo chips has been designed []

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[] investigated, by means of a mock-up, the application of a vacuum hold-down for the adjustable and rotatable stereo chip platen. This mode has been found far superior to the previous "T" slot arrangement, both from the point of simplified manual operation as well as manufacture. Consequently, the original design was partly changed to suit. The micrometer adjustment of this platen is also completed. The lead screws, lead nuts, the "V" guides and ways are designed and mostly detailed. The gear boxes for the slewing drive are designed and in the process of detailing. The "u" drive is nearing the end of the design period. Some of its components are ready for detailing. Much of the detailing started 22 July, i.e., before [] vacation period []

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The design of the supporting console is scheduled to start the latter part of September. Engineering work is proceeding on schedule and should meet our manufacturing schedule on time. Long lead items are in the process of being procured. According to timely contacts with suitable vendors, these items could be delivered without causing manufacturing delays.